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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/583,215

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Donald Alfred Atkinson

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07/20/2009

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EXAMINER

NGUYEN, HANH N

ART UNIT

PAPER NUMBER

2834

NOTIFICATION DATE

DELIVERY MODE

07/20/2009

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@oshaliang.com  
buta@oshaliang.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/583,215	<b>Applicant(s)</b> ATKINSON ET AL.	
	<b>Examiner</b> HANH N. NGUYEN	<b>Art Unit</b> 2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 9-12 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 and 13-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____.                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>6/16/06</u> .   | 6) <input type="checkbox"/> Other: ____.                          |

## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 9-12 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim can not depend from any other multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims 9-12 not been further treated on the merits.
2. “the laminar portion” in claim 8 should be written as:---the non-laminar portion---. See page 3, lines 20-26 of the specification of the present invention.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-8 and 13-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Mischler et al (provided by the Applicant as US 4,255,684).

Regarding claim 1, Mischler et al. disclose an electric machine including at least one magnetically inducible structure (stator 10 in Fig. 1), said structure comprising at least two magnetically inducible portions, at least one said portion being of laminar construction (yoke 10 and 11) and at least another said portion being non-laminar in construction (pole pieces 18 and 19), the laminar portion having greater mechanical strength than the non-laminar portion.

Regarding claim 2, Mischler et al. disclose an electric machine wherein the laminar portion is arranged to be in a location (on the outside of non-laminar portion) where its greater mechanical strength is effective to protect the less mechanically strong non-laminar portion (Fig. 1).

Regarding claim 3, Mischler et al. disclose an electric machine wherein the non-laminar portion is positioned (on the inside of laminar portion) so that it is protected by the laminar portion, which is of greater mechanical strength.

Regarding claim 4, Mischler et al. disclose an electric machine wherein the magnetically inducible structure is a stator of the electric machine (Col. 2, line 55).

Regarding claim 5, Mischler et al. disclose an electric machine wherein the laminar portion is a frame of the stator of the electric machine (Fig .2).

Regarding claim 6, Mischler et al. disclose an electric machine wherein the non-laminar portion is at least one pole piece of the stator of the electric machine (Col. 2, lines 64-65).

Regarding claim 7, Mischler et al. disclose an electric machine wherein the laminar portion is constructed from electrical steel (Col. 3, lines 52-54).

Regarding claim 8, Mischler et al. disclose an electric machine wherein the non-laminar portion of the machine is constructed from bonded iron (Col. 3, lines 56-58).

Regarding claims 13, Mischler et al. disclose an electric motor having a stator and a rotor (22), characterized in that in at least the stator has at least one coil (14) and

Art Unit: 2834

it is noted that all other limitations of the claimed invention have been fulfilled by Mischler et al. as in claim 1.

Regarding claims 14, Mischler et al. disclose an electric machine of the salient pole type (Fig. 1) and it is noted that all limitations of the claimed invention have been fulfilled by Mischler et al. as in claims 1, 7 and 8.

Regarding claims 16, Mischler et al. disclose an electric machine substantially as described in the specification with reference to and as illustrated by any one or more of the accompanying drawings.

Regarding claim 15, method of constructing an electric machine is inherent and obvious since all the structural limitations of the claimed invention have been fulfilled by Mischler et al. as in claims 1-8.

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (571) 272-2031. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Quyen Leung, can be reached on (571) 272-8188. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and (571) 273-8300 for After Final communications.

Art Unit: 2834

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1000.

HNN

July 14, 2009

/Nguyen N Hanh/

Primary Examiner, Art Unit 2834

An electric motor or generator having a stator and a rotor, characterised in that in at least the stator has at least one coil and a core that is magnetically inducible from said coil where the core has at least two parts where one of the parts is of laminar construction and provides a rugged support and a further part is of non laminar construction.

14.

A electrical machine of the salient-pole type, wherein the stator of the electric machine comprises a frame supporting salient pole pieces, characterised in that the frame is constructed from laminated electrical steel and the pole pieces are constructed from bonded iron.

15.

A method of constructing an electric machine which includes the steps where approximately annular laminations are pressed from magnetically inducible, mechanically strong material, said laminations are assembled into a frame, ) and pole pieces made from a magnetically-inducible material of high electrical resistance are attached to said frame.

Art Unit: 2834

16. An electric machine substantially as described in the specification with reference to and as illustrated by any one or more of the accompanying drawings.